

Abstract**Power output stage for capacitive loads**

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A power output stage for capacitive loads comprising:

- an energy storage inductance (8), one end of which is connected to a reference potential (9) and which at the opposite end is connected on the input side to a power supply connection (1) and on the output side to a secondary energy storage capacitance (4);
- a primary energy storage capacitance (3) which is connected upstream of the energy storage inductance (8) on the input side, with the primary energy storage capacitance (3) once again being connected on the input side via a primary switching element (12) with a reference potential (9), and
- a secondary switching element (14) which is connected in series with the secondary energy storage capacitance (4),
characterized in that
the input of the power output stage is clocked by an additional switch (20).

25 **Figure 1**